UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF ALLOWANCE AND FEE(S) DUE

				EXAMINER
51206	7590	08/12/2010		ANDERSON, JOHN A

TOWNSEND AND TOWNSEND AND CREW LLP/ORACLE
TWO EMBARCADERO CENTER
8TH FLOOR
SAN FRANCISCO, CA 94111-3834

ART UNIT	PAPER NUMBER
3694	

DATE MAILED: 08/12/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,941	10/22/2003	Eric L. Solberg	021756-021410US	6302

TITLE OF INVENTION: TRANSACTION ALLOCATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	11/12/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: <u>Mail</u> Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)

_____ (Signature)

_____ (Date)

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10/691,941	10/22/2003	Eric L. Solberg	021756-021410US	6302

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nonprovisional	NO	$1510	$300	$0	$1810	11/12/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
ANDERSON, JOHN A	3694	705-035000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE   (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) :   ☐ Individual   ☐ Corporation or other private group entity   ☐ Government

4a. The following fee(s) are submitted:

☐ Issue Fee

☐ Publication Fee (No small entity discount permitted)

☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (**Please first reapply any previously paid issue fee shown above**)

☐ A check is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____   Date _____

Typed or printed name _____   Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

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10/691,941	10/22/2003	Eric L. Solberg	021756-021410US	6302

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1206 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1206 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

	Application No.	Applicant(s)
Notice of Allowability	10/691,941	SOLBERG ET AL.
	Examiner	Art Unit	
	JOHN A. ANDERSON	3694	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *06/18/2010*.

2. ☒ The allowed claim(s) is/are *1-7,12,13,15-17,44-52 and 54-56*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

           International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date <u>See Continuation Sheet</u>

4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

/Ella Colbert/
Primary Examiner, Art Unit 3694

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date: 05/26/2009,09/25/2009.

Detailed Action

1.   This communication is in response to the applicant's amendment filed on

06/18/2010.

Response to Amendment

2.   In the amendment filed 06/18/2010, claim 44 has been amended, claims 1-7,12-

13,15-17,44-52,54-56 are pending and are presented for examination.

3.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as

provided by 37 CFR 1.312. To ensure consideration of such an amendment, it

MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Applicant's representative, Mark Mathison (Reg No: 57,556) on July 1, 2010.

The application has been amended as follows:

IN THE CLAIMS

Please amend the claims as indicated below. The following is a complete listing

of claims and replaces all prior versions and listing of claims in the present

application:

4.   Claim 1. (Previously presented) A transaction filtering system for allocating

transactions among a plurality of business objects, the system comprising:

storage configured to store generated allocation rules and to store transaction

data associated with a plurality of transactions, each generated allocation rule

being associated with at least one of the plurality of business objects, each

generated allocation rule being generated by combining a first predefined rule of

a node of a hierarchical data structure with a second predefined rule inherited

from a parent node, the first predefined rule characterizing a member of the at

least one of the plurality of business objects;

a query engine configured to query the transaction data using the generated

allocation rules; and

an allocation manager configured to make one or more attempts to allocate a

member of the plurality of transactions among the plurality of business objects,

wherein each generated allocation rule determines if a business object is entitled

to an allocation from a particular transaction.

5.   Claim 2.   (Previously presented) The transaction filtering system of claim 1,

wherein a member of the plurality of transactions is a sale and the query engine

is configured to determine commission allocation.

6.   Claim 3. (Previously presented) The transaction filtering system of claim 1,

wherein a member of the plurality of transactions is a purchase and the query

engine is configured to determine cost allocation.

7.   Claim 4. (Original) The transaction filtering system of claim 1, wherein a

member of the plurality of transactions is unallocated after a first attempt at

allocation.

8.   Claim 5. (Original) The transaction filtering system of claim 1, wherein a member

of the plurality of transactions is under-allocated after a first attempt at allocation.

9.   Claim 6. (Original) The transaction filtering system of claim 1, wherein a member

of the plurality of transactions is over-allocated after a first attempt at allocation.

10.   Claim 7. (Original) The transaction filtering system of claim 1, wherein a second

attempt at allocating the member of the plurality of transactions includes

identifying a business object configured to manually determine the allocation.

11   Claims 8-11. (Canceled)

12.   Claim 12. (Previously presented) A computing system for hierarchical

transaction filtering, the computing system comprising:

storage configured to store a hierarchical data structure, a first generated

allocation rule associated with a first business object, a second generated

allocation rule associated with a second business object, and transaction data;

an allocation manager configured to track allocations of transactions represented

by the transaction data and track whether the business objects are entitled to an

allocation from a particular transaction; and

a query engine configured to execute a first query on the transaction data using

the first generated allocation rule and, responsive to the first query, to execute a

second query on the transaction data using the second generated allocation rule,

wherein the first generated allocation rule includes a predefined rule inherited

from a parent node.

13.   Claim 13. (Previously presented) The computing system of claim 12, wherein the

hierarchical data structure is configured to represent relationships between

business objects in a sales organization.

14.   Claim 14. (Canceled)

15.   Claim 15. (Original) The computing system of claim 12, wherein the first

generated allocation rule is produced by traversing the hierarchical data

structure.

16.   Claim 16. (Original) The computing system of claim 12, wherein the second

query is configured to identify a business object having a management role with

respect to a node of the hierarchical data structure.

17.   Claim 17. (Original) The computing system of claim 12, further including a

transaction source configured to generate the transaction data.

18   Claims 18-43. (Canceled)

19.   Claim 44. (Currently Amended) A computer program product embedded in a

non-transitory computer readable medium for allocating transactions among a

plurality of business objects, the computer program product including instructions

that, when executed by a processor, cause the processor to:

store generated allocation rules and transaction data associated with a plurality

of transactions, each generated allocation rule being associated with at least one

of the plurality of business objects, each generated allocation rule being

generated by combining a first predefined rule of a node of a hierarchical data

structure with a second predefined rule inherited from a parent node, the first

predefined rule characterizing a member of the at least one of the plurality of

business objects;

query the transaction data using the generated allocation rules; and

make at least one attempt to allocate a member of the plurality of transactions

among the plurality of business objects,

wherein each generated allocation rule determines if a business object is entitled

to an allocation from a particular transaction.

20.   Claim 45. (Previously presented) The computer program product of claim 44,

wherein a member of the plurality of transactions is a sale and the query step

includes determining commission allocation.

21.   Claim 46. (Previously presented) The computer program product of claim 44,

wherein a member of the plurality of transactions is a purchase and the query is

configured to determine cost allocation.

22.   Claim 47. (Previously presented) The computer program product of claim 44,

wherein a member of the plurality of transactions is unallocated after a first

attempt at allocation.

23.   Claim 48. (Previously presented) The computer program product of claim 44,

wherein a member of the plurality of transactions is under-allocated after a first

attempt at allocation.

24.   Claim 49. (Previously presented) The computer program product of claim 44,

wherein a member of the plurality of transactions is over-allocated after a first

attempt at allocation.

25.   Claim 50. (Previously presented) The computer program product of claim 44,

wherein a second attempt at allocating the member of the plurality of transactions

includes identifying a business object configured to manually determine the

allocation.

26.   Claim 51. (Previously presented) A computer program product embedded in a

computer readable medium for hierarchical transaction filtering, the computer

program product including instructions that, when executed by a processor,

cause the processor to:

store a hierarchical data structure, a first generated allocation rule associated

with a first business object, a second generated allocation rule associated with a

second business object, and transaction data;

track allocations of transactions represented by the transaction data and track

whether the business objects are entitled to an allocation from a particular

transaction; and

execute a first query on the transaction data using the first generated allocation

rule and, responsive to the first query, execute a second query on the transaction

data using the second generated allocation rule,

wherein the first generated allocation rule includes a predefined rule inherited

from a parent node.

27.   Claim 52. (Previously presented) The computer program product of claim 51,

wherein the hierarchical data structure is configured to represent relationships

between business objects in a sales organization.

28.   (Canceled)

29.   Claim 54. (Previously presented) The computer program product of claim 51,

wherein the first generated allocation rule is produced by traversing the

hierarchical data structure.

30.   Claim 55. (Previously presented) The computer program product of claim 51,

wherein the second query is configured to identify a business object having a

management role with respect to a node of the hierarchical data structure.

31.   Claim 56. (Previously presented) The computer program product of claim 51,

further including a transaction source configured to generate the transaction

data.

Allowable Subject Matter

32.   Claims1-7,12-13,15-17,44-52,54-56 are allowed.

The following is an examiner's statement of reasons for allowance.

Even though the prior art teaches a method and apparatus for determining

commissions to be paid to a sales representative or sales team, the prior art of

record (Patent 6,662,164) Koppelman et al and (PGPub 2003/0004960)

Pressmar P fails to teach " each generated allocation rule being associated with

at least one of the plurality of business objects, each generated allocation rule

being generated by combining a first predefined rule of a node of a hierarchical

data structure with a second predefined rule inherited from a parent node, the

first predefined rule characterizing a member of the at least one of the plurality of

business objects". The prior art of record (Patent 6,662,164) Koppelman et al and

(PGPub 2003/0004960) Pressmar P does not disclose a query engine configured

to query the transaction data using the generated allocation rules; and

an allocation manager configured to make one or more attempts to allocate a

member of the plurality of transactions among the plurality of business objects,

For these reasons claims 1,12,44 and 51 are deemed allowable over the prior art

of record and claims 2-3,13,15-17,43-46 and 52 are allowed by dependency.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and to avoid processing delays, should

preferably accompany the issue fee. Such submissions should be clearly

labeled" Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to JOHN A. ANDERSON whose telephone number

is (571)270-3327. The examiner can normally be reached on Monday through

Friday 8:00 to 5:00 Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, James Trammell can be reached on 571-272-6712. The fax phone

number for the organization where this application or proceeding is assigned is

571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free). If you would like assistance from a USPTO Customer Service

Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

/John A Anderson/   John A Anderson

Examiner, Art Unit 3694   Examiner   Art Unit 3694

/J. A. A./

Examiner, Art Unit 3694

/Ella Colbert/

Primary Examiner, Art Unit 3694